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copies of Vol. IV, and fifty copies of Vol. V, as reported by the Librarian.

Auditing Committee reported the Treasurer's account correct. In the Treasurer's hands, on General Account, \$315; Magellanic Fund, \$769.10; Rittenhouse Fund, \$22.22.

Investment of the \$769 committed to Patterson, Biddle, Vaughan.

Plantou's paper: Committee reported; paper laid on the table.

Donations for Library from several persons.

1825. *Jan'y 7; 2 o'clock, P. M.* (Collin; Thomson, Vaux, Harris, Patterson, Hembel, DuPonceau, Sergeant, Gibson, Lukens, C. C. Biddle, Chapman, Jackson, Ord, Mease, Keating, Hopkinson, Strickland, Chauncey, Carey, Binney, Ware, Ingersoll, Dewees, Jones, Walsh, Parrish, Collins, N. Biddle, Vaughan, James, Bache, Moore, Bonaparte, Nichols, 35.)

ELECTION OF OFFICERS.

President—Wm. Tilghman.

Vice-Presidents—DuPonceau, Collins, Patterson.

Secretaries—R. Walsh, Jr., Ord, Keating, Fr. Bache.

Councillors—Binney, Sergeant, J. Q. Adams, Rawle.

Curators—Say, Horner, Mease.

Treasurer—Vaughan.

1825. *Jan'y 7.* (Tilghman; and 15 others.)

Donations for Library from Patterson; Klaproth, N. Y.; Lyceum, N. H.; and J. Hare Powel.

"On Ventilating Ships," by Capt. Jas. Barron, U. S. N., was referred to Patterson, Jones and Hembel.

1825. *Jan'y 21.* (Tilghman; and 22 others.)

Barron's paper: Committee reported progress.

Donation for Library from S. A. Mitchell, of Philad'a.

“On the Air-pump,” with diagrams, by C. P., was referred to Patterson, Lukens and Hare.

“On a new method of transferring boats by transit locks substitutes for locks of ordinary construction,” by Major Long, was read by Dr. Patterson: 1. By vertical lift; 2. By oblique lift or inclined plane. Paper in three parts, with a supplement. Specifications of machinery, in both senses; application of method to railroads; and method of supplying summit level from a feeder of lower level. Drawings. Ordered to lie on the table.

Extra Magellanic Premium: Dr. Patterson applied for it in behalf of a Philadelphian, inventor of a new method of magnetizing steel bars. Referred to the Board of Officers.

Laws of the Society: Committee to prepare them for publication, and to suggest beneficial alterations and additions, Ord, Patterson and Tilghman.

Pennsylvania Agricultural Society’s application for one of the rooms referred to the Building Committee.

Lesueur permitted (under direction of the Curators) to make drawings from the bones in the Cabinet, described in the Transactions.

Building Committee for 1825—Vaughan, Strickland and Patterson. Appropriation for their use, \$100.

Appropriation for Librarian: \$150 for periodicals; \$75 for binding; \$150 for all other expenses.

Librarian elected—J. Vaughan.

Election of three new members: Count Nicholas de Romanzoff, and Count John Laval, both of Russia; and John J. Bigsby, of England.

1825. *Feb’y* 4. (DuPonceau; and 18 others.)

C. P.’s paper on the Air-pump: Committee reported progress.

Barron’s paper: Dr. Patterson’s “particular report” adopted.

Donations for Library from various persons.

Islandic Society of Antiquaries; Secretary's letter read by Dr. Collin, was referred to the Historical Committee.

Bigsby's letter of thanks read.

Maj. Long's letter respecting his communication was read; and his communication referred to a Committee: Patterson, Strickland, and Lukeus.

Mr. Luken's *Lithonriptor*, a modification of Civiale's machine, applied to the destruction and extraction of calculi from the human bladder, was exhibited by him.

[Here the MS. Vol. ends with 11 blank pages.]

1825. *Jan'y 7 (in the afternoon).** (Drs. Collin, Patterson, Jackson, Mease, Parrish, James, S. Moore, Chapman, Dewees, Bache; Messrs. Vaux, Du Ponceau, Gibson, C. C. Biddle, Hopkinson, Chauncey, Binney, C. J. Ingersoll, W. Jones, N. Biddle, J. J. Thomson, Harris, Hembel, Sergeant, Lukens, Ord, Keating, Strickland, Carey, Walsh, Collins, Vaughan, Ch. Bonaparte, Nichols, and Major Ware, 35.)

Election of Officers by ballot resulted in the choice of:

ELECTION OF OFFICERS.

President—Wm. Tilghman.

Vice-Presidents—Duponceau, Collins, R. M. Patterson.

Secretaries—R. Walsh, Jr., Ord, Keating, Fr. Bache.

Councillors—Binney, Sergeant, J. Q. Adams, Rawle.

Curators—Say, Horner, Mease.

Treasurer—J. Vaughan.

1825. *Jan'y 7 (in the evening).* (Tilghman in the Chair; Vaughan, Patterson, Dewees, Harlan, Barton, Nichols, LeSueur, Du Ponceau, Say, Lukens, Hembel, C. C. Biddle, Keating, Bonaparte, Ord, 16.)

Donations for the Library from Klaproth and others.

"Ventilating Ships;" communication from Capt. Jas. Barron, United States Navy; read by Dr. Barton; referred to Dr. Patterson, W. Jones, Hembel.

* The new minute book starts in with duplicate minutes of the meetings held Jan. 7, 21, and Feb. 4.

1825. *Jan'y* 21. (Tilghman in the Chair; Dr. Colhoun, Mr. Pederson, and 21 others, 24).

Committee on Barron's paper asked for further time, "having occasion to refer to authors not at present within their reach."

Donation to the Library from S. A. Mitchell.

"Air pump:" A paper signed C. P. with a sheet of diagrams; read and referred to Dr. Patterson, Lukens and Dr. Hare.

"A new method of transferring boats of burden, loaded carriages &c. from one level to another, by means of transit locks, serving as substitutes for locks of the ordinary construction." A communication from Major Stephen H. Long; read by Dr. Patterson; laid on the table. [The paper is described in the minutes as offering two plans: 1. vertical and 2. Oblique It comprised three parts: 1. Specifications of machinery for vertical lift; 2. Ditto for oblique lift; 3. "Of the method of transition as applied to railroads;" Supplement, method of supplying upper level by water per feeder, "situated below the Summit pound." Drawings accompanied both paper and supplement.]

Magellanic premium applied for by "a gentleman of Philadelphia" (through Dr. Patterson) for "the discovery of a new method of communicating the magnetic virtue to bars of steel;" referred to Board of Officers.

New Edition of the Laws of the Society: Committee appointed, and instructed "to suggest any such alterations and additions as they may think beneficial to the Institution." Ord, Patterson, Tilghman.

Application for the use of one of the Society's rooms, made, through Mr. Vaughan, by the Pennsylvania Agricultural Society. Referred to Building Committee.

Le Sueur's request granted to be permitted to make drawings of fossil bones in the Cabinet already described in the Transactions.

Building Committee chosen to serve until second meeting

in January, 1826: Vaughan, Strickland, Dr. Patterson. \$150 placed at the Committee's disposal.

Librarian: \$150 voted for the purchase of "periodical publications;" also \$75 for binding.

"For all other current and necessary expenses of the Society for the ensuing year, \$150, at the disposal of the Librarian."

John Vaughan chosen Librarian.

New members balloted for and elected: Count Nicholas Romanzoff, of Russia; Count John Laval, of Russia; John I. Bigsby, M.D., of England.

1825. *Feb'y* 4. (DuPonceau in the Chair, and 18 others.)

Committee on paper by C. P. verbally reported progress.

Library donations from A. Smith, Tanner, Nuttall, Vaux, Ray de Chaumont, Ac. N. S. Phil. and Islandic Antiquarian Society, a letter from which last was read and referred.

Dr. Bigsby accepted membership by letter.

Major Long's letter being read, his communication to the last meeting was referred to Dr. Patterson, Mr. Strickland and Mr. Lukens.

Mr. Lukens exhibited and explained the surgical use of his machine, the "Lithonriptor," being a modification of that of Civiale.

1825. *Feb'y* 18. (Tilghman; DuPonceau, Hembel, Lukens, Harlan, Dr. Patterson, Vaughan, Strickland, Keating; 9.)

Committee on C. P.'s paper recommended that it be laid on the table. Report adopted.

Committee on Major Long's paper reported progress.

Library donations from Edward Correa da Serra, of Paris, and others.

Mr. E. T. Correa da Serra's letter, Paris, October 10, 1824, "acknowledging the receipt of the letter of condolence written to him by this Society on the occasion of his father's death," was read.

Megalonyx :

“*Resolved*, That the casts of *M. claws* &c., in the possession of this Society be presented to the Lyceum of Natural History of New York.

1825. *March* 4. (Present, 17 members. Tilghman in the Chair.)

Committee on Major Long’s “new method of transferring boats, &c.,” “made a report unfavorable to the merits of this paper, which report was adopted.”

Library donations reported.

Letter of thanks for the casts from the New York Lyceum.

Mr. Lukens was requested to put in repair the *Clock* “which stands over the Eastern door of the building of the Society.”

Luken’s *Lithontriptor* : Dr. Horner reported experiments, “and exhibited an artificial calculus of gypsum which had been perforated with the greatest ease in several directions in the dead subject.”

1825. *March* 18. (Present, 19. Tilghman in the Chair ; Drs. Bache, Harlan, Barton, Patterson, Mease, Coates ; Messrs. DuPonceau, Vaughan, Say, LeSueur, Ord, Jones, Lukens, Bonaparte, Keating ; Judge McKean ; Majors Lorick and Long.)

Library donations reported.

Major Long’s letter respecting the Committee’s report was read ; and it was resolved that the report be reconsidered, and its consideration postponed to the next meeting.

“Dr. Harlan communicated some observations on some of the Mammiiferous animals of N. America, being part of a work which he is preparing for the press on that subject.”

Com. Barron’s “communication, and documents accompanying it, to be at his request returned to him.”

1825. *April* 1. (Present, 24. Tilghman ; DuPonceau, Judge Gibson, Vaughan, C. C. Biddle, Say, Dr. Troost, Dr.

Horner, Dr. Bache, Dr. Mease, Haines, Bonaparte, Dr. Patterson, Vaux, Dr. Collin, Short, Nichols, Dr. Harlan, Dr. Colhoun, Ord, Major Long, Lukens, Dr. Jackson, Keating.)

Fossils: Dr. Harlan read a notice of an extinct fossil *Tapir*; of a new species of *Lepus*; of a new genus (*Ostopera*) of the order Glires. Ordered "enrolled in the archives."

Some particulars relating to Mungo Park's death, contained in a letter from Consul General Shaler at Algiers, were read by Mr. Duponceau.

Major Long's paper was taken up; the report of the Committee discussed; and a substitute resolution proposed by Dr. Patterson, passed, viz.:

"*Resolved*, That Major Long be requested to furnish the Society for their Transactions, with such an abstract of his paper *on transit locks*, as with the drawings may be sufficient to explain these inventions, and bring them before the public."

Mr. Deabate's request to be allowed to take with him to Europe the tooth of the Mammoth, promising to send back exchanges, was referred to the Curators with power to take order.

The Directors of the *Athenæum* requested permission to remove the partition between *the two northern rooms rented to them*. Referred to the Building Committee with power to take order.

1825. April 15. (Present, 23. Duponceau in the Chair. Troost, Carey, Long, Bonaparte and others.)

Library donations from Michaux and others.

Gen. Geo. Izard's letter informing the Society "that he would take pleasure in promoting the objects of the Society by collecting such information respecting the *Aborigines* and the Natural History of the Territory of *Arkansas*, as his situation of governor of that Territory" would permit, was "referred to a Committee with instructions to prepare notes to assist Gen. Izard in his inquiries & observations," consisting of Keating, Chapman, Bonaparte and Duponceau.

Catalogue of the Library: Thanks (for copies) received from the London Institution and Royal Institution of Great Britain.

C. C. Brodie's "invention to repair the sides of ships, under the surface of the water." Model sent with a letter from Com. Barron. Referred to Board of Officers to report "whether the invention be worthy of the Magellanic or Extra Magellanic premium."

Weights and Measures: "Mr. Vaughan communicated the passage of a law by the Assembly of this State, appointing a board of Commissioners to examine & report upon the system of weights and measures in use in the Commonwealth."

New Members Elected.

M. Flourens, M.D., of Paris.

Count Real, of France.

Thomas Cadwalader,	} of Philadelphia.
John K. Kane,	
John D. Godman,	
Charles N. Bancker,	
Edward Livingston, of New Orleans.	

1825. *May* 6. (Present, 27. Patterson in the Chair; Hopkinson, Ingersoll, Pedersen, Bancker, Kane, Morgan, Hare, Bonaparte, Godman and others.)

Brodie's invention reported by the Board of Officers worthy to receive the *Extra Magellanic* premium. Consideration of the report made special order for next meeting; notice to be given in the newspapers.

Izard's researches: Committee reported its "notes."

"*Resolved*, That a copy be transmitted to Gen. Izard, 'with a letter from the Secretary informing him that the Society is grateful for his offer and will be thankful for any communication,' " &c.

Library donations from Quoy and Guemard, of Paris; Deabate, Consul General of Sardinia; Jose da Silva Lisboa, of Rio Janeiro, and others.

Capt. Krusenstern's letter of thanks for his election, with a donation of Pacific Ocean charts, Vol. I, and promise of following volumes, was read by Mr. Keating.

Count Real's thanks for election to membership reported.

1825. *May* 20. (Present, 26. DuPonceau in the Chair; Nicholas Biddle, Eberle, Dewees, Meredith and others.)

Library donations from various persons and the Royal Swedish Academy.

Mr. Strickland deposited a work on the *New York Canals*.

Mr. Temminck's letter of thanks for membership was read.

Brodie's invention. Report of the Board considered, "and adopted by a vote of two-thirds of the members present."

On motion, the value of the *premium* just awarded was fixed at \$45, "to be furnished in a medal, or money, at the option of the inventor."

Bust of Franklin: The Franklin Institute's request for the loan of the cast of *Flaxman's bust of Franklin* and *Reich's medal* of the same, was referred to the Curators, with power.

Major Long was, on motion, permitted to withdraw his paper.

The Building Committee reported that they had permitted the removal of the partition. (See April 1.)

The Curator's reported that they had presented the tooth to M. Deabbate [*sic*]. (See April 1.)

1825. *June* 17. (Present, 14. Collins in the Chair; Vaughan, Harlan, Collin, Conrad, Pollock, Vaux, Godman, Say, Keating, Brown, Ord, Patterson, Bache.)

Library donations from R. H. Lee, Harlan, Collins, Patterson and the Academy Natural Sciences, Philadelphia.

Mr. Say said that Dr. Harlan's generic name had been anticipated by that of *Cælogenus*. (April 1.)

Agricultural Society's room-rent: The Building Committee was directed to consider the propriety of reducing the

rent paid by the Agricultural Society for their room ; with power to take action.

Mr. Short's offer "*to deposit his library in the Society's rooms*" was accepted, with thanks.

1825. *July* 15. (Present, 18. Tilghman ; Vaughan, Le-Sueur, Godman, Troost, Collin, DuPonceau, Mease, Nicholls, Ord, Horner, Warren, C. C. Biddle, Keating, Hare, Collins, Say, Dr. Bache.)

Library Donations from M. Oliveira of Rio, and others.

Catalogue received by the Literary and Philosophical Society, Manchester.

Historical Collections American Philosophical Society, Vol. I. Copy to be sent to the New Hampshire Historical Society.

New members elected : Don José da Silva Lisboa, of Rio Janeiro ; Joseph R. Ingersoll, of Philadelphia.

1825. *Aug.* 19. (Present, 11. DuPonceau ; Vaughan, Harlan, Godman, Nicholls, Mease, C. C. Biddle, Keating, Jackson, Dr. Coates, Dr. Bache.)

Library donations from Rob. De Silver, Charles Bonaparte, Rich. Hen. Lee and others.

Cabinet donation from the Natural Historical Lyceum of New York.

Weights and measures : Letter and documents from Wm. Vaughan, of London, "enclosing a letter to Davies Gilbert Esq. on the same subject."

Pavement before the Hall to be extended by the Building Committee, "so as to make it uniform with the width, recently established by the city corporation."

1825. *Sept.* 16. (Present, 15. Patterson in the Chair ; Jacobs, Short, Carey and others.)

Transactions American Philosophical Society, Vol. II, New Series, reported ready for delivery.

Library donations from J. T. Carré, Mrs. Ann Harris, of

Bellefonte, General Cortez, Commodore Kruzenstern, J. Barrozo de Pereira and others.

Cabinet donations from Dr. Mease and Mr. Rivinus.

Capture of the General Monk by the Hyder Ali during the American war. Dr. Mease's written communication was referred to the Historical Committee.

"Dr. Collin made a verbal communication respecting the weather of the preceding summer."

1825. Oct. 7. (Present, 16. Patterson in the Chair.)

Library donations from "his majesty, the King of the Low Countries," and others.

"Dr. Collin made a verbal communication on the subject of Languages."

Magnet: "The Vice President stated that he had recently examined a very powerful magnet, constructed by Mr. Franklin Bache, of this city, which sustained a weight of more than 310 pounds."

1825. Oct. 21. (Present, 20. Dr. Collins in the Chair; S. Conrad, Livingston, Pollok [*sic*], and others.)

Library donations from the Marquis Lascaris of Turin, C. S. Rafinesque, of Kentucky, and others.

New members elected:

Count Miot de Melito, of the National Institute of France.

Philip Tidyman, M.D., of Germantown, Pa.

1825. Nov. 4. (Present, 15. DuPonceau in the Chair; Pedersen, Pollok, and others.)

Library donations from Niles, Say, Ord, Martigny, Mitchell, DuPonceau and the Lyceum Natural History, New York.

M. Martigny's letter on the subject of American geography was read.

Count Miot de Melito's letter of thanks for membership was read.

Count de Romanzoff's thanks (per Levitt Harris) were read.

"Dr. Mease read a letter, dated Monticello, Sep. 16, 1825, addressed to him by Thomas Jefferson, on the subject of the house in which he resided when he wrote the *Declaration of Independence*.

"Dr. Mease stated that he had ascertained *the house to be that situated at the South West corner of Seventh and Market Streets.*"

"Mr. DuPonceau made a verbal communication on the subject of American Iron."

"Dr. Mease read two letters from a soldier of the Revolution, named Major Jacquet, relating to several skirmishes and transactions wherein the writer had been engaged."

1825. Nov. 18. (Present, 16. Tilghman in the Chair; Hasler and others.)

Library donations from several persons.

Cabinet donation from Mr. Pedersen through Mr. Collins.

Mr. Macnevin's (of New York) request for the return of his paper previously offered the Society was granted.

"Mr. DuPonceau read a private letter which he had received from Mr. Von Hammer."

"Mr. Hasler made some remarks on Mummies."

"The first volume of a work published by Mr. Von Hammer, having been presented some time ago to the Society, through Mr. DuPonceau, by mistake, it was resolved that it be returned to Mr. DuPonceau, for whose private library it had been intended."

1825. Dec. 2. (Present, 13. Drs. Patterson; Collin, Moore, Harlan, Barton, Gibson, Chapman and Mease; Messrs. Vaughan, Nichols, Kane, Harris and Ord.)

Library donations from Desilver and Chapman.

Cabinet donation of a drawing of the Mammoth by Dr. Colhoun.

On the Grouse [*sic*] of North America ; in letters to John Vaughan from B. Vaughan, of Maine, and Dr. Holmes, of Maine.

Tidyman's letter of thanks read.

Keating's letter informed the Society that he had returned to Mr. Vaughan, the *cast from Flaxman's head of Franklin*, and the *Medal by Reich* ; promising for the Franklin Institute that "as soon as the dies are hardened, a proof impression in silver, of the Institute Medal, will be presented to the Cabinet of the Society."

"New demonstration of the Binomial Theorem by W. Marrat of Liverpool," communicated per Mr. F. Nicholls, was referred to Nichols, Patterson and Nulty.

"The Treasurer, Mr. Vaughan, laid his annual accounts before the Society ;" referred to C. C. Biddle, Hembel and Ord.

1825. Dec. 16. (Present, 19. Tilghman ; Vaughan, Hasler, C. C. Biddle, Kane, C. Bonaparte, Morgan, Collin, Patterson, Nichols, Moore, Harris, DuPonceau, Dewees, Mease, Harlan, Collins, T. Gilpin, Ord.)

Auditing Committee reported balance due by the Treasurer to the Society : On the general account \$370.39 ; on the Magellanic Fund account, \$1015.67 ; on the Rittenhouse Fund account, \$31.45 ; excess of expenditure for foreign journals over appropriation, \$16.75 ; therefore recommend an appropriation of \$200 for 1826.

"The Committee also recommend the immediate investment of the large balance, now \$1015.67 due to the Magellanic Fund ; and of which \$769.10 has been due more than a year.

"The present Insurance on the Books, &c. . . . is but \$4000 ; the Committee therefore suggest the propriety of increasing the Insurance to \$6000."

\$16.75 was then appropriated to supply deficiency as above.

Marrat's demonstration: Committee's report adopted.

Committee appointed to invest the funds: C. C. Biddle, Patterson, Ord.

Insurance discussed and raised to \$6000.

Library donations from W. Thompson, of London; Dr. Patterson, Dr. Jer. Van Rensselaer, and Dr. Dav. Hosack.

Texas: "The Geographical Society of Paris having some time ago requested some information of this Society respecting the Province of Texas, Dr. Mease read a Paper on the subject, which he submits to the Society, as a reply to the Queries of the Society of Paris."

1826. *Jan'y 6. Afternoon session.* (Present, 14. DuPonceau, C. C. Biddle, Hembel, Vaux, Tilghman, Keating, Vaughan, Harlan, Mease, Collin, Patterson, Barton, De-wees, Kane.)

Judges and Clerks were appointed, and balloting proceeded until five o'clock, when the following were declared Officers of the Society:

ELECTION OF OFFICERS.

President—Wm. Tilghman.

Vice-Presidents—DuPonceau, Collins, Patterson.

Secretaries—Walsh, Ord, Keating, Bache.

Councillors—Chapman, Hembel, Hare, C. C. Biddle.

Curators—Say, Mease, Horner.

Treasurer—Vaughan.

[There appears to have been no evening session.]

1826. *Jan'y 20.* (Present, 14. Tilghman in the Chair; Pedersen and others.)

Investigating Committee reported "that they had invested \$1049.74 in a certificate of the U. S. Exchanged Four and one-half per cent stock of 1824." "The attention of the Com. having been drawn to the character of the securities in